

Other Attachment File(s)

* Mandatory Other Attachment Filename:

Add Mandatory Other Attachment

Delete Mandatory Other Attachment

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To add more "Other Attachment" attachments, please use the attachment buttons below.

Add Optional Other Attachment

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Preaward Compliance Review Report for All Applicants and Recipients Requesting EPA Financial Assistance

Note: Read Instructions before completing form.

I. A. Applicant/Recipient (Name, Address, City, State, Zip Code)

Name:

Address:

City:

State: Zip Code:

B. DUNS No.

II. Is the applicant currently receiving EPA Assistance? ☐ Yes ☒ No

III. List all civil rights lawsuits and administrative complaints pending against the applicant/recipient that allege discrimination based on race, color, national origin, sex, age, or disability. (Do not include employment complaints not covered by 40 C.F.R. Parts 5 and 7.)

IV. List all civil rights lawsuits and administrative complaints decided against the applicant/recipient within the last year that allege discrimination based on race, color, national origin, sex, age, or disability and enclose a copy of all decisions. Please describe all corrective actions taken. (Do not include employment complaints not covered by 40 C.F.R. Parts 5 and 7.)

V. List all civil rights compliance reviews of the applicant/recipient conducted by any agency within the last two years and enclose a copy of the review and any decisions, orders, or agreements based on the review. Please describe any corrective action taken. (40 C.F.R. § 7.80(c)(3))

VI. Is the applicant requesting EPA assistance for new construction? If no, proceed to VII; if yes, answer (a) and/or (b) below.

☐ Yes ☒ No

a. If the grant is for new construction, will all new facilities or alterations to existing facilities be designed and constructed to be readily accessible to and usable by persons with disabilities? If yes, proceed to VII; if no, proceed to VI(b).

☐ Yes ☐ No

b. If the grant is for new construction and the new facilities or alterations to existing facilities will not be readily accessible to and usable by persons with disabilities, explain how a regulatory exception (40 C.F.R. 7.70) applies.

VII. Does the applicant/recipient provide initial and continuing notice that it does not discriminate on the basis of race, color, national origin, sex, age, or disability in its program or activities? (40 C.F.R. 5.140 and 7.95)

☒ Yes ☐ No

a. Do the methods of notice accommodate those with impaired vision or hearing?

☐ Yes ☒ No

b. Is the notice posted in a prominent place in the applicant's offices or facilities or, for education programs and activities, in appropriate periodicals and other written communications?

☒ Yes ☐ No

c. Does the notice identify a designated civil rights coordinator?

☐ Yes ☒ No

VIII. Does the applicant/recipient maintain demographic data on the race, color, national origin, sex, age, or handicap of the population it serves? (40 C.F.R. 7.85(a))

☒ Yes ☐ No

IX. Does the applicant/recipient have a policy/procedure for providing access to services for persons with limited English proficiency? (40 C.F.R. Part 7, E.O. 13166)

☐ Yes ☒ No

- X. If the applicant is an education program or activity, or has 15 or more employees, has it designated an employee to coordinate its compliance with 40 C.F.R. Parts 5 and 7? Provide the name, title, position, mailing address, e-mail address, fax number, and telephone number of the designated coordinator.

- XI. If the applicant is an education program or activity, or has 15 or more employees, has it adopted grievance procedures that assure the prompt and fair resolution of complaints that allege a violation of 40 C.F.R. Parts 5 and 7? Provide a legal citation or Internet Address for, or a copy of, the procedures.

For the Applicant/Recipient

I certify that the statements I have made on this form and all attachments thereto are true, accurate and complete. I acknowledge that any knowingly false or misleading statement may be punishable by fine or imprisonment or both under applicable law. I assure that I will fully comply with all applicable civil rights statutes and EPA regulations.

A. Signature of Authorized Official

Gillian Graber

B. Title of Authorized Official

Executive Director

C. Date

03/24/2022

For the U.S. Environmental Protection Agency

I have reviewed the information provided by the applicant/recipient and hereby certify that the applicant/recipient has submitted all preaward compliance information required by 40 C.F.R. Parts 5 and 7; that based on the information submitted, this application satisfies the preaward provisions of 40 C.F.R. Parts 5 and 7; and that the applicant has given assurance that it will fully comply with all applicable civil rights statutes and EPA regulations.

A. *Signature of Authorized EPA Official

B. Title of Authorized Official

C. Date

*** See Instructions**

Instructions for EPA FORM 4700-4 (Rev. 06/2014)

General. Recipients of Federal financial assistance from the U.S. Environmental Protection Agency must comply with the following statutes and regulations.

Title VI of the Civil Rights Acts of 1964 provides that no person in the United States shall, on the grounds of race, color, or national origin, be excluded from participation in, be denied the benefits of, or be subjected to discrimination under any program or activity receiving Federal financial assistance. The Act goes on to explain that the statute shall not be construed to authorize action with respect to any employment practice of any employer, employment agency, or labor organization (except where the primary objective of the Federal financial assistance is to provide employment). Section 13 of the 1972 Amendments to the Federal Water Pollution Control Act provides that no person in the United States shall on the ground of sex, be excluded from participation in, be denied the benefits of, or be subjected to discrimination under the Federal Water Pollution Control Act, as amended. Employment discrimination on the basis of sex is prohibited in all such programs or activities. Section 504 of the Rehabilitation Act of 1973 provides that no otherwise qualified individual with a disability in the United States shall solely by reason of disability be excluded from participation in, be denied the benefits of, or be subjected to discrimination under any program or activity receiving Federal financial assistance. Employment discrimination on the basis of disability is prohibited in all such programs or activities. The Age Discrimination Act of 1975 provides that no person on the basis of age shall be excluded from participation under any program or activity receiving Federal financial assistance. Employment discrimination is not covered. Age discrimination in employment is prohibited by the Age Discrimination in Employment Act administered by the Equal Employment Opportunity Commission. Title IX of the Education Amendments of 1972 provides that no person in the United States on the basis of sex shall be excluded from participation in, be denied the benefits of, or be subjected to discrimination under any education program or activity receiving Federal financial assistance. Employment discrimination on the basis of sex is prohibited in all such education programs or activities. Note: an education program or activity is not limited to only those conducted by a formal institution. 40 C.F.R. Part 5 implements Title IX of the Education Amendments of 1972. 40 C.F.R. Part 7 implements Title VI of the Civil Rights Act of 1964, Section 13 of the 1972 Amendments to the Federal Water Pollution Control Act, and Section 504 of The Rehabilitation Act of 1973. The Executive Order 13166 (E.O. 13166) entitled; "Improving Access to Services for Persons with Limited English Proficiency" requires Federal agencies work to ensure that recipients of Federal financial assistance provide meaningful access to their LEP applicants and beneficiaries.

Items "Applicant" means any entity that files an application or unsolicited proposal or otherwise requests EPA assistance. 40 C.F.R. §§ 5.105, 7.25. "Recipient" means any entity, other than applicant, which will actually receive EPA assistance. 40 C.F.R. §§ 5.105, 7.25. "Civil rights lawsuits and administrative complaints" means any lawsuit or administrative complaint alleging discrimination on the basis of race, color, national origin, sex, age, or disability pending or decided against the applicant and/or entity which actually benefits from the grant, but excluding employment complaints not covered by 40 C.F.R. Parts 5 and 7. For example, if a city is the named applicant but the grant will actually benefit the Department of Sewage, civil rights lawsuits involving both the city and the Department of Sewage should be listed. "Civil rights compliance review" means any review assessing the applicant's and/or recipient's compliance with laws prohibiting discrimination on the basis of race, color, national origin, sex, age, or disability. Submit this form with the original and required copies of applications, requests for extensions, requests for increase of funds, etc. Updates of information are all that are required after the initial application submission. If any item is not relevant to the project for which assistance is requested, write "NA" for "Not Applicable." In the event applicant is uncertain about how to answer any questions, EPA program officials should be contacted for clarification. * Note: Signature appears in the Approval Section of the EPA Comprehensive Administrative Review For Grants/Cooperative Agreements & Continuation/Supplemental Awards form.

Project Narrative File(s)

* **Mandatory Project Narrative File Filename:**

Add Mandatory Project Narrative File

Delete Mandatory Project Narrative File

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To add more Project Narrative File attachments, please use the attachment buttons below.

Add Optional Project Narrative File

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BUDGET INFORMATION - Non-Construction Programs

OMB Number: 4040-0006
Expiration Date: 02/28/2022

SECTION A - BUDGET SUMMARY

Grant Program Function or Activity (a)	Catalog of Federal Domestic Assistance Number (b)	Estimated Unobligated Funds		New or Revised Budget		
		Federal (c)	Non-Federal (d)	Federal (e)	Non-Federal (f)	Total (g)
1. Clean Air for All Knowledge is Power - Air Monitoring Study by Protect PT for EPA-OAR-OAQPS-22-01	66.034	\$	\$	\$ 147,213.83	\$ 0.00	\$ 147,213.83
2.						
3.						
4.						
5. Totals		\$	\$	\$ 147,213.83	\$ 0.00	\$ 147,213.83

Standard Form 424A (Rev. 7- 97)
Prescribed by OMB (Circular A -102) Page 1

SECTION B - BUDGET CATEGORIES

6. Object Class Categories	GRANT PROGRAM, FUNCTION OR ACTIVITY				Total (5)
	(1)	(2)	(3)	(4)	
	Clean Air for All Knowledge is Power - Air Monitoring Study by Protect PT for EPA-OAR-OAQPS-22-01				
a. Personnel	\$ 48,145.07	\$	\$	\$	\$ 48,145.07
b. Fringe Benefits	11,410.38				11,410.38
c. Travel	847.67				847.67
d. Equipment	29,500.00				29,500.00
e. Supplies	14,461.06				14,461.06
f. Contractual	42,833.33				42,833.33
g. Construction	0.00				0.00
h. Other	16.32				16.32
i. Total Direct Charges (sum of 6a-6h)	147,213.83				\$ 147,213.83
j. Indirect Charges					\$
k. TOTALS (sum of 6i and 6j)	\$ 147,213.83	\$	\$	\$	\$ 147,213.83
7. Program Income	\$	\$	\$	\$	\$

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SECTION C - NON-FEDERAL RESOURCES					
(a) Grant Program		(b) Applicant	(c) State	(d) Other Sources	(e)TOTALS
8.	Clean Air for All Knowledge is Power - Air Monitoring Study by Protect PT for EPA-OAR-OAQPS-22-01	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00
9.					
10.					
11.					
12. TOTAL (sum of lines 8-11)		\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00

SECTION D - FORECASTED CASH NEEDS					
	Total for 1st Year	1st Quarter	2nd Quarter	3rd Quarter	4th Quarter
13. Federal	\$ 147,213.83	\$ 76,604.66	\$ 23,523.66	\$ 23,523.66	\$ 23,561.85
14. Non-Federal	\$				
15. TOTAL (sum of lines 13 and 14)	\$ 147,213.83	\$ 76,604.66	\$ 23,523.66	\$ 23,523.66	\$ 23,561.85

SECTION E - BUDGET ESTIMATES OF FEDERAL FUNDS NEEDED FOR BALANCE OF THE PROJECT					
(a) Grant Program		FUTURE FUNDING PERIODS (YEARS)			
		(b)First	(c) Second	(d) Third	(e) Fourth
16.	Clean Air for All Knowledge is Power - Air Monitoring Study by Protect PT for EPA-OAR-OAQPS-22-01	\$ 147,213.83	\$ 109,336.45	\$ 109,336.45	
17.					
18.					
19.					
20. TOTAL (sum of lines 16 - 19)		\$ 147,213.83	\$ 109,336.45	\$ 109,336.45	

SECTION F - OTHER BUDGET INFORMATION	
21. Direct Charges:	22. Indirect Charges:
23. Remarks: See Itemized Budget in Grant Package	

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Prescribed by OMB (Circular A -102) Page 2

Application for Federal Assistance SF-424

* 1. Type of Submission:

- ☐ Preapplication
☒ Application
☐ Changed/Corrected Application

* 2. Type of Application:

- ☒ New
☐ Continuation
☐ Revision

* If Revision, select appropriate letter(s):

* Other (Specify):

* 3. Date Received:

03/24/2022

4. Applicant Identifier:

5a. Federal Entity Identifier:

PME9GKQ78GE5

5b. Federal Award Identifier:

State Use Only:

6. Date Received by State:

7. State Application Identifier:

8. APPLICANT INFORMATION:

* a. Legal Name:

Promote PT Inc DBA Protect PT

* b. Employer/Taxpayer Identification Number (EIN/TIN):

47-3795303

* c. Organizational DUNS:

0885616490000

d. Address:

* Street1:

3344 PA-130

Street2:

PO 137

* City:

Harrison City

County/Parish:

* State:

PA: Pennsylvania

Province:

* Country:

USA: UNITED STATES

* Zip / Postal Code:

15636-1205

e. Organizational Unit:

Department Name:

Division Name:

f. Name and contact information of person to be contacted on matters involving this application:

Prefix:

Mrs.

* First Name:

Gillian

Middle Name:

* Last Name:

Graber

Suffix:

Title:

Executive Director

Organizational Affiliation:

Protect PT

* Telephone Number:

724-392-7023

Fax Number:

* Email:

gillian@protectpt.org

Application for Federal Assistance SF-424

* 9. Type of Applicant 1: Select Applicant Type:

M: Nonprofit with 501C3 IRS Status (Other than Institution of Higher Education)

Type of Applicant 2: Select Applicant Type:

Type of Applicant 3: Select Applicant Type:

* Other (specify):

* 10. Name of Federal Agency:

Environmental Protection Agency

11. Catalog of Federal Domestic Assistance Number:

66.034

CFDA Title:

Surveys, Studies, Research, Investigations, Demonstrations, and Special Purpose Activities
Relating to the Clean Air Act

* 12. Funding Opportunity Number:

EPA-OAR-OAQPS-22-01

* Title:

Enhanced Air Quality Monitoring for Communities

13. Competition Identification Number:

Title:

14. Areas Affected by Project (Cities, Counties, States, etc.):

Add Attachment

Delete Attachment

View Attachment

* 15. Descriptive Title of Applicant's Project:

Clean Air For All: Knowledge is Power

Attach supporting documents as specified in agency instructions.

Add Attachments

Delete Attachments

View Attachments

Application for Federal Assistance SF-424**16. Congressional Districts Of:**

* a. Applicant PA-14

* b. Program/Project PA-14

Attach an additional list of Program/Project Congressional Districts if needed.

Add Attachment

Delete Attachment

View Attachment

17. Proposed Project:

* a. Start Date: 12/01/2022

* b. End Date: 12/01/2025

18. Estimated Funding (\$):

* a. Federal	365,887.00
* b. Applicant	0.00
* c. State	0.00
* d. Local	0.00
* e. Other	0.00
* f. Program Income	0.00
* g. TOTAL	365,887.00

*** 19. Is Application Subject to Review By State Under Executive Order 12372 Process?**

- ☐ a. This application was made available to the State under the Executive Order 12372 Process for review on .
- ☐ b. Program is subject to E.O. 12372 but has not been selected by the State for review.
- ☒ c. Program is not covered by E.O. 12372.

*** 20. Is the Applicant Delinquent On Any Federal Debt? (If "Yes," provide explanation in attachment.)**☐ Yes ☒ No

If "Yes", provide explanation and attach

Add Attachment

Delete Attachment

View Attachment

21. *By signing this application, I certify (1) to the statements contained in the list of certifications and (2) that the statements herein are true, complete and accurate to the best of my knowledge. I also provide the required assurances** and agree to comply with any resulting terms if I accept an award. I am aware that any false, fictitious, or fraudulent statements or claims may subject me to criminal, civil, or administrative penalties. (U.S. Code, Title 218, Section 1001)**

☒ ** I AGREE

** The list of certifications and assurances, or an internet site where you may obtain this list, is contained in the announcement or agency specific instructions.

Authorized Representative:

Prefix: Mrs. * First Name: Gillian

Middle Name:

* Last Name: Graber

Suffix:

* Title: Executive Director

* Telephone Number: 724-392-7023 Fax Number:

* Email: gillian@protectpt.org

* Signature of Authorized Representative: Gillian Graber * Date Signed: 03/24/2022

ENVIRONMENTAL HEALTH PROJECT

DEFENDING PUBLIC HEALTH 2012-2022
environmentalhealthproject.org

March 15, 2022

Gillian Graber
Protect PT
3344 PA-130
Suite D
Harrison City, PA 15636

Dear Ms. Graber:

The Environmental Health Project (EHP) is a nonprofit public health organization that defends public health in the face of shale gas development. We collect, analyze, and present shale gas exposure information that informs frontline communities and empowers them to advocate for ending or mitigating harmful emissions. We work alongside individuals, communities, and health professionals to educate residents on exposure pathways and health impacts, and to promote the adoption of strategies that better protect them from shale gas pollution. We advocate for a health-protective approach to shale gas industry regulation that places health and wellbeing at the center of policy decisions and ensures safety and health for all.

EHP will support *Clean Air For All: Knowledge is Power* by providing data analysis to interpret and help communicate the information collected by the new air quality monitors deployed through this grant. EHP will use the existing AirView analysis app for continuous monitors and help communicate the results of any sampling conducted. EHP's AirView app provides access to real-time analysis of air monitoring data to communities affected by the shale gas industry. For all continuously monitored pollutants, the AirView app collects data from deployed community monitors and provides three main ways to interact with that data as described below.

- The first tool, Monitor Feed Visualization, allows residents to see the output of their monitors in a more interactive format than what is presented in the interfaces provided by the monitor manufacturers. This visualization also displays additional context, including how significantly weather conditions affect population dispersion on an hourly basis and the operating status of a local pollution emitter of concern, where applicable.
- The second tool, Exposure Measures, generates measures of the pollution exposures seen by the connected monitors. These measures are then compared to other EHP monitoring locations and applicable EPA standards to help communities understand whether they should be concerned about pollution exposures in their area.
- The third tool, Impact Analysis, looks to identify from where pollution exposures likely come. This tool uses weather data from the National Oceanic and Atmospheric Administration and the National Weather Service to make plots that show recorded pollution levels at the monitor location, based on different combinations of wind speed and direction.

Main Office: 2001 Waterdam Plaza Drive, Suite 201, McMurray, PA 15317
New England Office: 470 James Street, Suite 007, New Haven, CT 06513
info@environmentalhealthproject.org | 724.260.5504

ED_013931A_00000299-00001

EHP's AirView app for data analysis and interpretation will allow communities to determine the extent of extreme episodic exposures to shale gas facilities in their community over time. The tracking of changes is crucial because these exposures are known to cause harm to the respiratory, cardiovascular, and neurological systems, as well as impair the development of infants and children. Evidence of these periodic, high exposures demonstrates how current air regulations fall short of protecting affected communities.

This information is crucial to stakeholder education, which has been EHP's primary area of focus, be it in outreach to health professionals through our quarterly newsletter and training seminars, facilitation of community science projects through our Environmental HealthWatch Model, hosting community meetings for impacted residents, or engaging in dialogues at the local, state, and federal levels to support health-protective policies. EHP has continued to participate in several coalitions focused on air quality, methane emissions, petrochemical development, and cancer. We have been recognized by our collaborators as the voice of data-based public health expertise in all these groups.

We look forward to helping communities in Plum, Monessen, and Belle Vernon better understand their air quality so they can make better-informed decisions about their health and advocate for health-protective policies.

Sincerely,

Jessa Chabeau, MSW
Regional Manager, Appalachia

Carnegie Mellon

Robotics Institute
5000 Forbes Ave., NSH 4629
Pittsburgh, PA 15213
Phone: (650) 575-1612

Promote PT, Inc. DBA Protect PT
3344 PA-130, PO BOX 137
Harrison City, PA 15636

Dear Gillian Graber,

Carnegie Mellon University CREATE Lab writes to eagerly attest our commitment to partner in the "Clean Air For All: Knowledge is Power" project. CREATE Lab will provide and maintain the Environmental Sensing Data Repository (ESDR) infrastructure service for aggregation of air monitor data, on which parts of this proposal depend, including the EHP's AirView analysis. CREATE Lab will maintain websites, voc.createlab.org and environmentaldata.org as publicly accessible data access points throughout the course of the project. Lab staff will add new sensors acquired through the grant into these platforms, and iterate on platforms based on community, partner, and government stakeholder feedback. CREATE Lab will spend approximately 10hours/month engaging in strategic planning and community engagement, including supporting the creation of materials for data reports. CREATE Lab will engage partners in the project and create tailored analyses and visualizations that can enhance reports, such as forward dispersion and back trajectory modeling.

We are excited to build upon ongoing collaboration with ProtectPT and the other partner organizations for this project. We have worked together to respond to needs to make monitoring data and monitoring locations publicly accessible information, and to generally be reliable partners to the environmental advocacy efforts we support. We see this project as a continuation of that work and are very hopeful for the opportunity to expand and enhance our current scope.

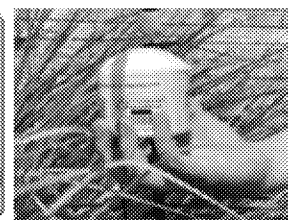
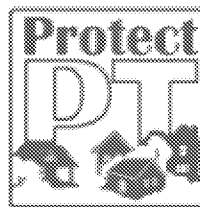
Thank you for submitting this application for funding under the EPA-OAR-OAQPS-22-01 Enhanced Air Quality Monitoring for Communities Grant.

Sincerely,



Ana Tshlares Hoffman she/her
Director of Air Quality Engagement
Carnegie Mellon University CREATE Lab

Air Monitoring Program Quality Assurance Statement



Protect PT's Environmental Scientist will plan, lead, and organize the Clean Air For All: Knowledge is Power project. They will deploy, maintain, and collect the air monitoring equipment being placed in the communities. The Environmental Scientist will utilize their training in The Environmental Health Project's AirView App and Summa VOC species lab analysis to properly analyze data and write reports for the individual's monitor. Based on their analysis, the Environmental Scientist will determine any gaps in data and strategize monitoring to address the gaps. Protect PT will follow the EPA's "Best Practices for Review and Validation of Ambient Air Monitoring Data" to properly conduct quality assurance procedures.

Air monitors will be calibrated and installed in a permanent location to not cause disruptions that may interfere with the collection of data. Protect PT follows these guidelines when installing and maintaining air monitoring equipment:

- A trained Protect PT representative will place one monitoring equipment outdoors toward the direction of the pollution source on a shepherd hook with UV-resistant zip ties at a height of 5 feet off the ground. Monitoring equipment will not be placed near sources of emissions such as wood burners or home exhaust.
- Each monitor will be hooked up to a consistent power supply and wifi connection. Program Participants who do not have access to broadband internet will have a mobile hotspot provided to them for the duration of the study. If a power outage occurs it will be documented on the monitoring log.
- Once the monitors are plugged in, they will not be moved in location for the duration of the study. Program Participant agrees to immediately notify Protect PT if there is any evidence of tampering with the equipment or damage to the equipment.
- Program Participant agrees to log any and all noticeable changes in air quality through the paper log provided or through Protect PT's Mobile App. There are common neighborhood conditions that impact air quality not related to UOGD. These should also be documented appropriately. Some examples are:
 - Woodsmoke from furnaces or outdoor wood boilers
 - Smoke from burning of yard debris
 - Lawn equipment
 - Diesel generators or older vehicles
- Program Participants are educated on the monitoring program at installation and are told to seek medical attention if any severe health symptoms occur in relation to the pollution.

Quality Assurance Statement

To aid in rapid identification of anomalous data drop-out conditions, EHP's AirView App will automatically alert Protect PT's Environmental Scientist, alongside EHP staff, when low-cost monitors are offline for more than 24 hours.

AirView conducts automated quality control by removing readings that are outside the specified operating range of the sensor in use. For PurpleAir monitors, AirView applies a quality control algorithm that removes readings when the two PM sensors significantly disagree based on a two-sample t-test. AirView also provides the option to apply the PurpleAir correction equation developed by the USEPA Office of Research and Development.

AirView presents information about atmospheric stability to help determine if pollutant readings are being exacerbated by weather conditions. AirView also returns standalone relative humidity data to aid in determining whether a spike in monitor readings is due to rapid weather changes, which can affect a wide array of sensors.

Protect PT is committed to collecting quality data and ensuring the compliance of all relevant requirements under EPA's guidelines. All personnel who are working on this program are educated on best practices for air monitoring installation and data collection and Protect PT looks to professional organizations with more monitoring experience, such as The Environmental Health Project, to assist with supplemental training.

References:

<https://www.epa.gov/amtic/ambient-air-monitoring-quality-assurance>

<https://www.epa.gov/sites/default/files/2015-05/documents/g1star0607.pdf>

Manifest for Grant Application # GRANT13579511

Grant Application XML file (total 1):

1. GrantApplication.xml. (size 23070 bytes)

Forms Included in Zip File(total 6):

1. Form ProjectNarrativeAttachments_1_2-V1.2.pdf (size 16013 bytes)

2. Form SF424_3_0-V3.0.pdf (size 24219 bytes)

3. Form SF424A-V1.0.pdf (size 23184 bytes)

4. Form EPA4700_4_3_0-V3.0.pdf (size 22591 bytes)

5. Form OtherNarrativeAttachments_1_2-V1.2.pdf (size 16009 bytes)

6. Form EPA_KeyContacts_2_0-V2.0.pdf (size 37287 bytes)

Attachments Included in Zip File (total 6):

1. OtherNarrativeAttachments_1_2 OtherNarrativeAttachments_1_2-Attachments-1234-EPA Grant Quality Assurance Statement.pdf application/pdf (size 142565 bytes)

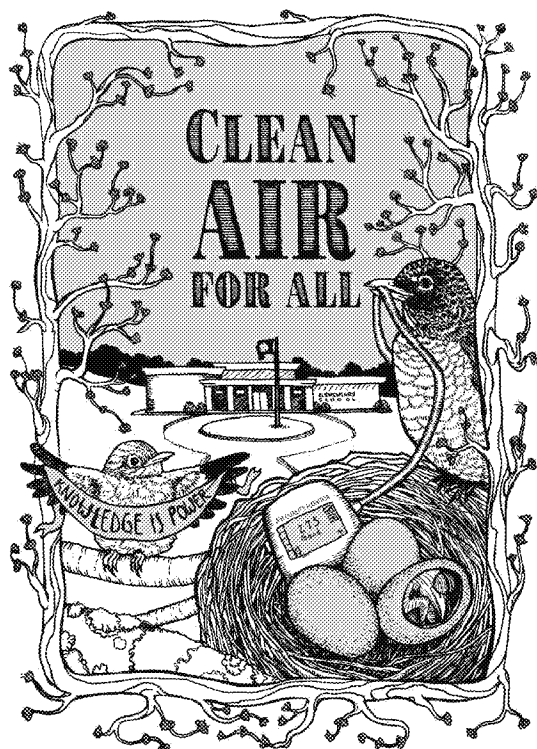
2. ProjectNarrativeAttachments_1_2 ProjectNarrativeAttachments_1_2-Attachments-1239-PPT Project Narrative Attachment Form.pdf application/pdf (size 528327 bytes)

3. OtherNarrativeAttachments_1_2 OtherNarrativeAttachments_1_2-Attachments-1238-Protect PT Community-Based Organization Set-Aside Attachment.pdf application/pdf (size 9093918 bytes)

4. OtherNarrativeAttachments_1_2 OtherNarrativeAttachments_1_2-Attachments-1237-ProtectPT Partner Commitment Letter on RI Letterhead.docx.pdf application/pdf (size 88422 bytes)

5. OtherNarrativeAttachments_1_2 OtherNarrativeAttachments_1_2-Attachments-1236-EHP Partner Letter for PPT.docx.pdf application/pdf (size 174237 bytes)

6. OtherNarrativeAttachments_1_2 OtherNarrativeAttachments_1_2-Attachments-1235-PPT - 501c3 determination letter 47-3795303 (1).pdf application/pdf (size 3904038 bytes)



Clean Air For All: Knowledge is Power

Submitted by Promote PT, Inc. DBA Protect PT
3344 PA-130, PO BOX 137, Harrison City, PA 15636

Gillian Graber

Email: gillian@protectpt.org

Phone: 412-215-2967

DUNS Number: 088561649

Set Aside: Community Based Organization

Protect PT is a grassroots community-led nonprofit organization working to ensure safety, security, and quality of life from the effects of unconventional oil and gas development (UOGD) in Westmoreland and Allegheny Counties. Led by socially and environmentally conscious members and volunteers who reside within the impacted communities, Protect PT engages in education, movement building, citizen-science monitoring, and advocacy to protect the economic, environmental, and legal rights of residents, particularly as they relate to fracking.

Project Partner: Environmental Health Project (Jessa Chabeau, Regional Manager, Appalachia) and AirViz/CREATE Lab (Ana Hoffman, Director of Air Quality Engagement)

Project Locations: Plum, PA; Monessen, PA; Belle Vernon, PA

Air Pollutant Scope: Particle Pollution (PM_{2.5}) & Hazardous Air Pollutants (VOC)

Budget Summary:

EPA Funding Requested:	Total Project Cost:
\$365,887	\$365,887

Project Period: December 2022 to December 2025

Clean Air For All: Knowledge is Power is designed to address the lack of knowledge about fossil fuel air emissions and their impact on quality of life in Westmoreland and Allegheny Counties that have been exacerbated by the COVID-19 pandemic. This project aligns with the EPA's 2022-2026 Strategic Plan, as it's designed to reduce emissions of ozone-forming pollutants, particulate matter, and air toxics and address Environmental Justice issues facing Southwest Pennsylvania communities. This project seeks to expand Protect PT's air monitoring efforts in Southwestern Pennsylvania in three locations: **The Westmoreland Sanitary Landfill (WSL)** at 901 Tyrol Blvd Belle Vernon, PA 15012, **Monessen Coke Plant** at 345 Donner Ave, Monessen, PA 15062, and the **Penneco Sedat 3A wastewater injection well (Plum Injection Well)** at 1815 Old Leechburg Rd, New Kensington, PA 15068.

Section 1 – Project Summary and Approach

A. Overall Project

Since 2017, Protect PT has been conducting air monitoring studies, collecting information on the health and quality of life impacts from the fossil fuel industry in our region. As education and awareness grow, other communities in Southwestern Pennsylvania are requesting our services around different pollution sources. As a result, we have expanded our program to three specific communities that are surrounded by the fossil fuel industry, offering them environmental monitoring, pollution reporting, and air quality education. As part of our continued commitment to protecting communities in Southwestern Pennsylvania from the industries' air pollution, we intend to utilize our eight existing VOC monitors and PurpleAir monitors to track air quality impacts at homes near fossil fuel infrastructures.

Step 1: Visualize and Evaluate: We will: (a) map out pollution sources (b) use relational organizing to identify our contacts in the community and ask them to reach out to their neighbors (c) identify current monitoring locations. Plotting the information on a Google map, we will strategize where to place additional monitors for the best data. Once locations are identified, our Environmental Scientist will place monitors based on the standard protocols established by the Environmental Health Project (EHP). Each outdoor air monitoring station will consist of a CREATE Lab AirViz VOC monitor, a PurpleAir monitor, or both co-located and placed on a shepherd's hook five feet off the ground to account for average human height.

Protect PT's mobile app is a critical component in determining who has been impacted by emissions and which residents would like to host air monitors. Our Mobile Reporting App allows participants to track the date and time of a pollution event, make comments on what they see, hear, smell, and feel and send a complaint directly to the regulators for further investigation of potential environmental violations. The app can be used with or without a study participant and can allow residents that are not currently involved in a study to report their complaints and sign up for monitoring, adding valuable built-in outreach to our program.

Step 2: Training and Teaching: When setting up the studies, the Environmental Scientist will teach residents how monitoring works, how to mitigate severe pollution events, and how to report pollution incidents using Protect PT's Mobile App. Protect PT staff will train host residents to promptly deploy Summa canisters when air pollution incidents occur to get the best air quality sample. Protect PT will also work with AirViz/CREATE Lab to set up SENSIT SPOD Ion PID Sensor with Anemometer for remote Summa Canister deployment.

Step 3: Data and Reporting: All data will then be collected and analyzed by our Environmental Scientist using EHP's *AirView App* and Summa VOC species lab analysis. Each participant will receive a report on their air quality and ongoing education about how air quality impacts daily life in the region.

Step 4, Community Advocacy Training: We will host free Home Resource Guide workshops tailored to the issues found by monitoring ambient air pollution from each source. We will empower community members who attend to take action and protect themselves from unlawful pollution. We will create opportunities for those most impacted to advocate for themselves and teach them how to tell their stories. At these workshops, each attendee receives a guidebook and a refrigerator magnet based on the EPA's Air Quality Index to help them quickly recognize when they should limit their exposure to the air outside their home.

B. Project Significance

Southwestern Pennsylvania is home to an extraordinary overlap of extractive industries. In addition to containing the largest underground coal mine in the world, over 100 square miles, with extensive surface infrastructure and waste disposal areas, it also sits on top of the Marcellus and Utica shale, which are being drilled and hydraulically fractured to produce methane and other byproducts often used to make plastic. The residents of the region are directly impacted: their water supply is contaminated, they breathe polluted air, and suffer from a variety of rare cancers. More specifically, residents of

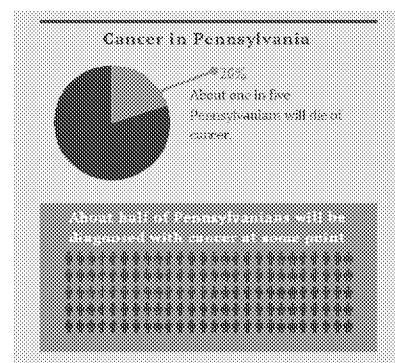
Westmoreland and Allegheny Counties regularly report extreme air pollutants in or around Environmental Justice communities that we would like to monitor.

The communities in the Mon Valley have a history of toxic air pollution events. One of the most infamous events that led to the development of the Clean Air Act happened in the neighboring community of Donora, PA in 1948 directly downwind of Monessen and Rostraver/ Belle Vernon. While many of the mills that created this historic poison smog event are now closed, the area is still plagued with daily elevated levels of ambient air pollution.

Part of the problem our community is facing is a lack of knowledge. Industry operators report air data to the Pennsylvania Department of Environmental Protection using industry contrived air modeling projections, instead of actual emissions being monitored in real-time. This method of reporting leaves out pollution spikes in air emissions and ignores specifics on volatile organic compounds resulting in pollution levels above EPA Clean Air standards. Rather than relying on industry-reported emissions estimates, we provide real local air monitoring points showing real impacts. Local air monitoring points allow us to use this data and comment on inadequacies in current regulations and data collection methods.

Scientists have conducted many health studies in the area. For example:

- Pittsburgh has one of the highest rates of air pollution in the country, one of the strongest factors for childhood asthma. Dr. Debra Gentile's 2017 study found that 22 percent of children in Pittsburgh schools have asthma, much higher than the national average of just more than 10 percent.
- Allegheny County has some of the worst air quality in the country. It was one of only 10 counties in the nation to receive all F's on the American Lung Association's 2018 air quality report and is in the top 2 percent of all U.S. counties for risk of cancer caused by air pollution.
- 10 percent of Allegheny County residents have been diagnosed with diabetes, and 11 percent of Westmoreland County residents have been diagnosed.
- A study from Harvard T.H. Chan School of Public Health finds that breathing more pollution over many years can worsen the effects of COVID 19.



Industry operators track hazardous pollutants and waste from shale gas drilling including benzene, toluene, xylene, cyanide compounds, hydrogen sulfide, sulfur dioxide, nitrogen oxides, phenols, naphthalene, carbon monoxide, and particulate matter on the roads of Monessen and in Rostraver/ Belle Vernon. On warm, dry days, when the conditions are right, these pollutants are scattered in the air as noted in a consent order agreement with PA DEP. Even though waste from the oil and gas industry is not classified as hazardous, it contains large amounts of radioactivity, heavy metals, volatile organic compounds, and known carcinogens. As these pollutants evaporate into the air during transportation or offloading, they continue to impact our communities. Over the last two years the impact of the COVID-19 pandemic, which is exacerbated by pre-existing conditions caused by pollution, has made this pollution an even greater concern for local residents.

Beyond the objective measurement of the impact of pollution, for over a decade, residents living in proximity to all three locations have been reporting impacts to PA DEP, the local government, and news outlets. In Plum, residents have complained of noxious smells from venting of tanks and excessive truck traffic at the injection well site. In Monessen, residents faced black soot, when the Coke Plant reopened. In Rostraver/Belle Vernon, near the Westmoreland Sanitary Landfill, residents have experienced health impacts such as headaches, shortness of breath, burning and itching eyes, and more.

Westmoreland Sanitary Landfill

In 2010, the Westmoreland County Landfill, located in Rostraver Township and bordering Allegheny, Washington, and Fayette counties, began accepting solid waste from unconventional oil and gas development (UOGD). The waste includes soil, rocks, and chemicals known to contain high levels of

radioactive contaminants. Nearly 50% of the landfill's annual tonnage stems from UOGD waste products. Protect PT began monitoring the air around the landfill in 2021. Our preliminary study revealed multiple instances of extended peaks well over the 24-hour primary and secondary National Ambient Air Quality Standard of 35 ug/m3. The toxic chemicals found in the air around these types of operations are well-known to have adverse health effects. For example, benzene is a known carcinogen, toluene is a neurotoxin, and hydrogen sulfide irritates the lungs and can cause asthma.

The landfill is surrounded by Environmental Justice communities on the more rural edge of four counties. According to the U.S. Census, this zip code (15012) has a population of 11,363 with 21.2% of that population 65 or over. The median household income is around \$74,000, 9.7% of the population is classified as living in poverty. Only 86.6% of households have a broadband internet connection. However, large disparities in populations exist within the surrounding area, still affected by pollution from the Landfill. For example, just next to the landfill is the EJ Community, Charleroi (zipcode 15022), which has a median household income of just \$34,866 with 24.3% of the population living in poverty. Since 2010, residents have been complaining about the smell and health problems associated with the landfill, and in response to complaints, local municipality officials told residents that landfills tend to be located close to dense poverty-stricken areas, and therefore, they should live with it.

According to our 2020 survey: 35% of residents consider impacts created by the landfill damaging to their or their family's health. 21% reported that they were forced to see their doctor due to changes in their health. The landfill has also increased residents' cost of living. 37% reported drinking bottled water and 15% installed costly air filtering systems. 60% reported being concerned about their property values. 70% of respondents reported seeing sludge on the road, which many car owners say they must regularly wash off their vehicles. Excessive truck traffic around the landfill and odors also plague residents, causing many to take alternate routes in order to avoid driving through the area. Moreover, 50% of people say they have lost faith in their government to protect their interests as a result of their experience.

Plum's Penneco oil and gas waste injection well

The Penneco Sedat 3A wastewater injection well began operation in July 2021. Tank batteries on the site are releasing volatile organic compounds into the atmosphere. Residents living nearby complain of constant diesel truck traffic that brings residual waste to the well. Chemicals such as benzene, which are known as volatile organic compounds and are also carcinogenic, can become airborne by volatilizing, or evaporating when the waste fluid is exposed to air. Exposure to these contaminants through known air emissions from oil and gas operations has been proven to have short-term and long-term health effects even at low levels of exposure. Upper respiratory symptoms, eye nose, and throat irritation can be felt immediately upon exposure. Impacts to breathing (triggering asthma attacks, bronchitis, etc) headaches, nausea, and skin irritation can be felt within hours of exposure. Longer-term exposure (months to years) can lead to worsening of chronic symptoms and the development of issues such as cancer or pulmonary and cardiac disease (Laura Dagley R.N., Medical Advocacy Coordinator for Physicians for Social Responsibility Pennsylvania).

This part of Plum (Zipcode: 15068) is located near the border of Westmoreland County and close to the Allegheny River, about 18 miles upstream from the city of Pittsburgh. It is primarily a rural, historically farming community. According to the 2020 U.S. Census, this area has a population of around 12,000 people with 25.7% of them being 65 years and over. The median household income is around \$65,000, 5.6% of the population is classified as living in poverty, and about 85% of the population has access to broadband internet.

Residents report smelling an acidic, chemical smell when tanks containing this polluted waste are vented. The operators neglect to report most emissions. The local community lacks knowledge of real emission numbers. The result is that people speak about smelling "bad air" and feeling shortness of breath resulting from short-term and long-term exposure. In our experience, many residents do not understand

the true risks of what they are exposed to since they do not know what carcinogens and other pollutants they are inhaling.

The Monessen Coke Plant

After shutting down the Monessen Coke Plant in 2020 citing COVID-19 business disruptions, ArcelorMittal sold the plant to Cleveland Cliffs. The plant restarted operations in summer 2021.

The residents in Monessen and six neighboring communities continuously submit reports to the Pennsylvania Department of Environmental Protection with complaints about odors, smoke, soot and debris causing headaches and flaring up asthma. The DEP found releases of hydrogen sulfide and sulfur dioxide exceeded legal limits. Epidemiologic studies of coke oven workers reported an increase in lung, trachea, bronchus, kidney, and prostate cancer. Coke oven emissions, classified by EPA as a known human carcinogen, contain a mixture of coal tar, coal tar pitch, volatiles, creosote, polycyclic aromatic hydrocarbons (PAHs which are semi-volatile compounds), and metals. Over 20 different PAHs are found in coke oven emissions, including benzo(a)pyrene, benzantracene, chrysene, and phenanthrene.

According to the 2020 U.S. Census, Monessen (Zipcode 15026), known as an Environmental Justice community, has a population of 7,720 and a median household income of just \$45,658 with 16.5% of the population in poverty. Approximately only 73.5% of the population has broadband internet access.

Beyond the objective devastating impact of pollutants on communities living in proximity to these facilities, our experience has shown that air pollution has a significant emotional and psychological impact on the community. Community members facing these problems feel powerless and alone. Rather than creating a kinship around shared suffering, these issues fragment the community. People often don't know what caused their child's cancer or what they can do about the "bad smells" in their backyard.

We, at Protect PT, build the community and make sure that our neighbors know they are not alone. We believe that grassroots education and community building will allow us to connect community members around these common issues and work together towards solutions. Since the foundation of our strategy is concrete knowledge of the harm caused, we engage our community in air monitoring. We teach people how to employ the equipment, report the findings back to them, educate them about the meaning of the numbers we found, and empower them to advocate on their own behalf. We equip residents with the tools and resources necessary to analyze the impacts of air emissions and how to take proactive measures to protect their community. Air monitoring allows local residents to determine the extent of extreme episodic exposures occurring in their vicinity and document changes in health status over time. This tracking is crucial because these exposures are correlated with harm to the respiratory, cardiovascular, and neurological systems.

As a result of this project, residents near the Westmoreland Sanitary Landfill, The Monessen Coke Plant, and Plum Injection Well will have real data on air quality impacts and the knowledge to use that data to advocate for cleaner air and a healthier environment.

Section 2 – Community Involvement

A. Community Partnerships

Protect PT's main partner in this project is the Environmental Health Project (EHP). EHP is a nonprofit public health organization that assists and supports residents of Southwestern Pennsylvania and beyond who believe their health has been or could be impacted by shale gas development (SGD). EHP staff are experts in interpreting air data and correlating it to public health impacts. They developed the AirView app, which this project relies on to visualize and report on air data. They train environmental scientists and residents and are the unimpeachable source of best practices for interpreting the data from the monitors.

We have been collaborating with EHP for six years. Protect PT and EHP benefit from the partnership on this project as we are able to utilize AirView while connecting EHP to members of Protect PT who are

affected by the air pollution sources. We will continue to work with EHP to maintain best practices for air monitoring protocols and train our Environmental Scientist and other staff on AirView.

EHP's AirView collects data from deployed community monitors to provide:

1. The Monitor Feed Visualization allows residents to see the output of their monitors in an interactive way. This visualization adds additional context, including how weather conditions affect population dispersion on an hourly basis and the operating status of a local pollution emitter of concern, where applicable.
2. Exposure Measure generates measures of the pollution exposures, compares them to other EHP monitoring locations and applicable EPA standards to help communities understand whether they should be concerned.
3. Impact Analysis identifies the likely source of pollution. This tool uses weather data from the National Oceanic and Atmospheric Administration and the National Weather Service to show recorded pollution levels at the monitor location, based on different combinations of wind speed and direction.

Protect PT's secondary partner is **AirViz/CREATE Lab**. CREATE Lab will provide and maintain the Environmental Sensing Data Repository (ESDR) infrastructure service for aggregation of air monitor data including the EHP's AirView analysis. CREATE Lab will also maintain the websites, voc.createlab.org and environmentaldata.org as publicly accessible data access points. Lab staff will add new sensors acquired through the grant into these platforms, and iterate on platforms based on community, partner, and government stakeholder feedback. Lastly, CREATE Lab will engage partners in the project and create tailored analyses and visualizations that can enhance reports and analysis, such as forward dispersion and back trajectory modeling. Protect PT has worked with CREATE Lab for over a year and will continue to work with them as we have purchased their air monitors. Protect PT and CREATE Lab benefit from this partnership as they are able to host the data from our air monitors on a public interface and in turn, we provide access and feedback to the air monitors that they have created.

B. Community Engagement

Protect PT is a member-led organization. We currently have 20 dues-paying members around these three sites and 140 regular participants living within a five-mile radius of the three aforementioned monitoring locations. Protect PT is only as strong as our members. They are the stakeholders of our organization. They donate a small amount annually and have the ability to vote on organizational matters such as the election of our board of directors and the direction the organization takes. Our membership program allows us to litigate on behalf of the individuals and families by providing legal standing to participate in hearings for fossil fuel development and other related infrastructure.

Protect PT uses relational organizing tools to reach our members' neighbors, co-workers, and friends. We have developed strategic communication methods for engaging community members around fossil fuel infrastructure. Some of the methods we use are as follows:

1. We use the voter file and Google maps to identify residents living near a pollution site.
2. We recruit volunteers to canvas and phone bank or create Every Door Direct Mailers to raise awareness among potentially impacted community members.
3. We conduct surveys to better understand residents' concerns and the impacts they are experiencing. We analyze survey responses to educate the community and local lawmakers. These survey responses also help us connect with residents who are interested in participating in our monitoring programs.
4. We organize and attend community meetings and mobilize residents to attend and voice their opinions in zoning hearings, borough and city council meetings, and other local meetings. We create specialized educational materials to showcase the impact on these communities.
5. We train residents on engaging in the permitting process, documenting and reporting pollution impacts, improving air quality in their homes, and more through our Home Resource Guide

Workshops. These workshops cover topics surrounding fossil fuel infrastructure, from extraction and production to transportation and waste issues.

6. We litigate on behalf of our members when local boards or state agencies permit fossil fuel infrastructure without all the relevant information to protect the community. An example of this is in January 2022, the Plum Zoning Hearing Board reluctantly approved the permit for the Sedat 4A Injection Well (Plum Injection Well #2). Plum Borough appealed the decision of their own zoning hearing board in a unique case to protect the residents of Plum. Protect PT filed as an intervenor on behalf of our members in Plum.
7. We launched our mobile reporting app report.protectpt.org, in summer 2021. The app allows users to track the date and time of an event, comment on what they see, hear, smell, and feel and send a complaint directly to the PA DEP to further investigate potential environmental violations. Other groups have asked to use our app with their constituents. The app has already shown concrete results - mobile app reports led to our Environmental Scientist installing monitoring equipment around the Monessen Coke Plant and the Plum Injection Well.

Section 3 – Environmental Justice and Underserved Communities

Protect PT's work centers community members most affected by the harmful pollution from unconventional oil and gas development and related processes. Some of our members and supporters live in Monessen (Westmoreland), Charleroi (Allegheny County), and Belle Vernon (Fayette County), communities that fall within the 5-mile radius of the Westmoreland Sanitary Landfill or the Monessen Coke Plant. These communities are defined as Environmental Justice (EJ) areas according to the PA Department of Environmental Protection ("census tract where 20 percent or more individuals live at or below the federal poverty line, and/or 30 percent or more of the population identifies as a non-white minority"). Others live in rural areas which are most susceptible to the exploitation of their surrounding environment from the fossil fuel industry and related infrastructure. The American Lung Association reports that higher rates of poverty are linked to an increased risk of long-term exposure to particle pollution and the U.S. Census reports that households in rural areas have lower incomes compared to those in urban areas. Southwestern Pennsylvania has a history of poor air pollution. In fact, the worst air pollution disaster in U.S. history, the 1948 Donora Smog event occurred not far from the area we serve. Additionally, the entire Appalachian region, according to the Appalachian Regional Commission (ARC), faces higher health disparities when compared to the nation as a whole. This includes higher mortality rates in leading causes of death like heart disease and chronic obstructive pulmonary disease (COPD), which are exacerbated by poor air quality.

The communities of Westmoreland and Allegheny Counties as a whole are at a higher lifetime cancer risk (95-100 percentile) from inhalation of air toxics (Source: EPA National Air Toxics Assessment). According to the Allegheny County Health Department's 2015 Community Health Assessment, the leading cause of death in Allegheny County was heart disease, followed closely by cancer. The overall cancer rate in Allegheny County is higher than cancer rates for Pennsylvania as a whole, as well as the U.S. rate. (ACHD Community Health Report 2015, page 48.) In 2011, Plum Borough experienced a cancer rate of 168.1 cases per 100,000 residents (page 156). Additionally, the rate of deaths caused by chronic lower respiratory diseases is higher in Allegheny and Westmoreland counties when compared to the rest of Pennsylvania (PA Dept. Of Health, County Health Profiles, accessed March 17, 2022).

The CDC reports many experiencing post-COVID symptoms related to difficulty breathing or shortness of breath. There are also reports of COVID infection causing damage to the lungs, heart, nervous system, kidneys, liver, and other organs. Permanent problems in the lungs and heart leave many residents even more vulnerable to the pollution coming from the Westmoreland Sanitary Landfill, the Monessen Coke Plant, and the Plum Injection Well.

Using the EJSCREEN Tool and other resources, the community living within a 5-mile radius of the Westmoreland Sanitary Landfill and the Monessen Coke Plant:

Socioeconomic and Racial Indicators	Health Indicators	COVID-19
Higher percentile of people with low income (65th percentile, n= 45,149) compared to the PA state percentile (63rd) 32nd percentile for People of Color 72nd percentile for Unemployment 43rd percentile for those that are under the age of 5, 78th percentile for those that are over the age of 64.	Most crucially, a majority of the population within a 5-mile radius of the Westmoreland Sanitary Landfill and Monessen Coke Plant is considered Medically Underserved, meaning there are too few primary care providers, a high infant mortality rate, high poverty, or high elderly population. Areas within this 5-mile radius also have a high rate (80-100 percentile) of Coronary Heart Disease and high rates of Asthma (80-100 percentile).	The zip code of the Westmoreland Sanitary Landfill (15012) was also hit heavily by the COVID-19 pandemic with reported total cases at 2,300 (total population: 16,000) according to Pennsylvania's COVID-19 Dashboard.

Using the EJSCREEN Tool and other resources, the community living in proximity (5-mile buffer) to the Plum Injection Well:

Socioeconomic and Racial Indicators	Health Indicators	COVID-19
53rd percentile of those with low income (n=68,860) 47th percentile for People of Color 51st percentile for Unemployment 40th percentile under the age of 5 76th percentile for those 65+	Portions of residents within a 5-mile buffer Injection Well) fall within 80-100 percentile for current Asthma rates according to the EJSCREEN Tool. These same areas also fall within the same percentiles for Coronary Heart Disease rates. The entire 5-mile boundary falls within the 95-100 percentile for the 2017 Air Toxics Cancer Risk.	The zipcode of the Penneco Environmental Solutions SEDAT Facility (15068) is primarily located within Westmoreland County but is also located within Allegheny County. According to the PA Department of Health's COVID-19 Dashboard , there have been a total of 6,156 confirmed cases with 1,678 probable cases (total population: 12,170).

The CDC reports many experiencing post-COVID symptoms related to difficulty breathing or shortness of breath. There are also reports of COVID infection causing damage to the lungs, heart, nervous system, kidneys, liver, and other organs. Permanent problems in the lungs and heart leave many residents even more vulnerable to the pollution coming from the Westmoreland Sanitary Landfill and the Monessen Coke Plant. This project will promote environmental justice as it will give residents who are disproportionately affected by these sources of air pollution the ability to educate themselves on how infrastructure surrounding them impacts their health while also amplifying the voices of many who are aware of the detrimental health impact but feel as though their voices are not being heard.

Section 4 – Environmental Results—Outcomes, Outputs and Performance Measures

A. Expected Project Outputs and Outcomes

Outputs: We expect the following project outputs:
Over 50 residents engaged each year through educational meetings and our monitoring program.
- At least 3 educational programs, one in each community, with a total attendance of 45 each year. Educational programs will teach residents how to participate in the monitoring programs, how to report pollution incidents, how to improve air quality in their own homes, and how to use data from the study to advocate for stronger protections from local government and other agencies.
- At least one educational meeting dedicated to sharing the findings of our monitoring studies. Sharing the findings of our studies is crucial to helping the community understand what they are exposed to and how to address air quality issues.
- At least 10 responses each year on our educational program survey. Program survey feedback is critical to monitor program effectiveness and address any needed changes.
8 air monitors placed per year
1 Summa canister deployed every 6 days by trained residents in each monitoring community
25 Mobile App Reports per year
12 Quarterly Progress Reports and one final report

Outcomes: We expect the following outcomes:	
Short-term Outcomes	<ul style="list-style-type: none"> ● Increased community awareness of air pollution surrounding the Plum Injection Well, Westmoreland Sanitary Landfill, and the Monessen coke plant. ● Increased access to information and tools that allow the local population to understand the quality of their air and its health impact
Intermediate Outcomes	<ul style="list-style-type: none"> ● Data is used to demand that state or local agencies enforce the Clean Air Act ● Agency for Toxic Substances and Disease Registry to investigate the Westmoreland Sanitary Landfill ● Mitigation action(s) from: <ul style="list-style-type: none"> ○ Pennaco Energy Solutions at the Plum Injection Well ○ Westmoreland Sanitary Landfill, LLC at the Landfill ○ Cleveland Cliffs at the Monessen coke plant ● Community action to mitigate certain air pollutant(s)
Long-term Outcomes	<ul style="list-style-type: none"> ● Policy and ordinance changes to reflect air pollution mitigation ● Reduction of air pollution in Westmoreland and Allegheny counties

B. Performance Measures and Plan

Protect PT uses a combination of objective and subjective metrics, including:

- (a) How many new community members join Protect PT - We believe that the more we, as an organization, are effective and empowering, the more community members will choose to pay membership dues and join Protect PT. Similarly, since we use relational organizing tools, the more effective we are, the more people invite their friends and family to join training and actions.
- (b) The number of monitoring locations in the study - Since the project we propose is a citizen science project, it requires community members to volunteer their homes for monitors and get trained in employing the device. The number of people who volunteer their homes and time is an indication of our effectiveness.
- (c) The number of reports generated - The number of reports that are generated indicates how many studies have been completed. These reports also will play an important role in educating the communities about air quality in their area.
- (d) How many educational events we hold - Since educating community members is a significant part of our program, the number of educational events we hold indicates how frequently we are sharing resources and information with residents.
- (e) How many participants attend those events - The number of participants at educational events is important because it indicates how many residents are receiving our educational materials and instruction. The number of participants also indicates how invested the community is in learning.
- (f) How many reports are filed through our Mobile App - People learn about the existence of our mobile app when talking to our staff and from their neighbors and on social media. The number of people who use the app to report pollution is an indication of community trust in us.
- (g) The number of petition signatures and letters written to state and local agencies demanding enforcement of the Clean Air Act - The number is significant for tracking how effective our education and community outreach are and how engaged community members are in addressing the issues.

C. Timeline and Milestone

2022	October - November	Anticipated Award
Q1 2023	December - February	Equipment Purchased, Training Residents to Deploy Summa Canisters (ongoing), Installation of Monitoring equipment around Plum Injection Well, Q1 2023 Report
Q2 2023	March - May	Installation of Monitoring equipment around Westmoreland Sanitary Landfill, Installation of Air Monitoring equipment around Monessen coke works, Town Hall/Community Meetings for Monitoring Communities, Q2 2023 Report
Q3 2023	June - August	Home Resource Guide Workshops in Communities, Continue Monitoring and Training Residents in Summa Cannisters, Q3 2023 Report
Q4 2023	September - November	Community Check-In with Residents Hosting Monitoring Equipment, Q4 2023 Report
Q1 2024	December - February	Q1 2024 Report

Q2 2024	March - May	Home Resource Guide Workshops in Communities, Q2 2024 Report
Q3 2024	June - August	Q3 2024 Report
Q4 2024	September - November	Community Check-In with Residents Hosting Monitoring Equipment, Q4 2024 Report
Q1 2025	December - February	Q1 2025 Report
Q2 2025	March - May	Home Resource Guide Workshops in Communities, Q2 2025 Report
Q3 2025	June - August	Q3 2025 Report
Q4 2025	September - November	Townhall in Monitoring Communities with Final Results, Q4 2025 Report
Final	December - January 2026	Final Report

Section 5 – Quality Assurance Statement

See Attached Document on the Optional Attachment form titled Quality Assurance Statement

Section 6 – Programmatic Capability and Past Performance

A. Past Performance

	Grant Awarded	Management
2019	The Heinz Endowments	We exceeded expectations and goals in this grant and successfully managed and completed all grant agreements and budgetary requirements. We hired an Environmental Scientist, expanded citizen science monitoring programs for noise and air, and hosted educational events to inform community members about water quality impacts, and how to prepare for local hearings.
	11th Hour Project The Schmidt Family Foundation	We exceeded expectations and goals in this grant and successfully managed and completed all grant agreements and budgetary requirements. We obtained baseline air and noise data for proposed well sites, organized letter-writing and petition campaigns on the Mariner East Pipeline and around the Beaver Run Reservoir.
2020	The Heinz Endowments	We exceeded expectations and goals in this grant and successfully managed and completed all grant agreements and budgetary requirements. We increased staff training and recruited interns to assist with our projects and programs. We also launched a sustainability initiative with partners.
	Colcom Foundation	We exceeded expectations and goals in this grant and successfully managed and completed all grant agreements and budgetary requirements. We reported noise data collected through our Environmental Monitoring Program, held in-person and virtual Home Resource Guide Workshop teaching community members about reporting pollution, monitoring air and water pollution, and emergency preparedness near fossil fuel infrastructure.
2021	Colcom Foundation	We exceeded expectations and goals in this grant and successfully managed and completed all grant agreements and budgetary requirements. We launched our new mobile app where residents can report complaints about pollution, hosted four online workshop series to cover the Home Resource Guide Workshop, and conducted 18 air monitoring studies, ranging from short-term (30-90 days) to long-term studies (over 90 days).

B. Reporting Requirements

Protect PT reports with the program directors for each funder on a consistent bi-yearly basis as defined by the funder in addition to written requirements such as bi-yearly and yearly reports as defined by the individual funder in the grant contract agreements. Progress reports and final grant narratives are written by staff that work on the project directly. Outcome and outputs are tracked by the project team using quantitative metrics tables, survey data from program participants, and study results. All budget reports are prepared using best management accounting practices and reported by way of a yearly financial review by a certified public accountant who specializes in nonprofit accounting. Several major funders have renewed grant proposals on a yearly basis, several years in a row since the beginning of our nonprofit status in 2015 which speaks to the reliability of the work completed and goals achieved in our grant agreements.

C. Staff Expertise

Christina Edwards-McCune, our Environmental Scientist, has a Bachelor's Degree in Environmental Studies with a concentration in Fisheries and Wildlife Biology. Christina has worked for Fisheries Management departments in multiple states, including Pennsylvania. Christina is also trained on the Environmental Health Project's HealthWatch Program.

Gillian Graber, our Executive Director and Co-Founder, has studied environmental issues since a personal experience with air pollution in her home in 2014. Gillian has a BS in Professional Communications and Computer Technology from Duquesne University. Gillian has attended multiple conferences and academic lectures on fossil fuel impacts on public health over the past 6 years.

Mary Obringer, our Outreach Manager, graduated summa cum laude from Liberty University in 2019 with a B.S. in Journalism. Mary has attended the training and conferences on Shale Gas and Public Health Conference for the past 3 years.

Jessa Chabeau, Regional Manager (Appalachia) at the Environmental Health Project, received her BA in sociology from Pennsylvania State University and her MSW from the University of Pittsburgh. During her MSW studies, Jessa focused on community organizing and social administration, while also becoming certified in human services management. Jessa has worked in the public health nonprofit sector for over 9 years focusing on grant administration, project management, and community engagement.

Nathan Deron, Environmental Data Scientist at the Environmental Health Project, received his BS in Political Science and Sociology at the University of Pittsburgh and his MS in Public Policy, Management, and Data Analytics from Carnegie Mellon University. Nathan has worked in the nonprofit sector for 6 years and has extensive experience in conducting data reviews and analyses and performing atmospheric and dispersion modeling.

Ana Hoffman, Director of Air Quality Engagement at AirViz/CREATE Lab, has a BA in Geography and is a certified GIS analyst from DePaul University. She is an intuitive Geographer with extensive experience for the last 8 years engaging with various stakeholders using data-framed storytelling to support environmental advocacy.

Section 7 – Budget

A. Budget Detail

Below is the detailed budget with descriptions of costs for each item including personnel involved in the project, fringe benefits, travel expenses with projected mileage, equipment used, supplies needed for educational workshops and installation of monitoring equipment, description of equipment purchases and contractual costs for partners. We ensure proper management of grant/cooperative agreement funds by evaluating on a quarterly basis the funds used and milestones achieved on all cooperative agreements. See the itemized budget table below.

Line Item & Itemized Cost	EPA Funding
Personnel	
(1) Organization Supervisor @ \$29.72/hr x 5 hrs/wk x 208 wks	\$30,909
(2) Environmental Scientist @ \$18.70/hr x 20 hrs/wk x 208 wks	\$77,792
(3) Community Outreach Manager @ \$17.18/hr x 10 hrs/wk x 208 wks	\$35,734
TOTAL PERSONNEL	\$144,435
Fringe Benefits	
23.7% of Salary and Wages @ 23.7% x Total Personnel - Retirement, Health Benefit, FICA, SUI	\$34,231
TOTAL FRINGE BENEFITS	\$34,231
Travel	
Mileage for ES: 20 mi/wk @ \$.585/mi x 207 wks	\$2,422
Mileage for COM: 1 mi/wk @ \$.585/mi x 207 wks	\$121
TOTAL TRAVEL	\$2,543
Equipment	
SUMMA Canisters (61 @ \$300 each)	\$18,300
SENSIT SPOD Ion PID Sensor with Anemometer (3 @ \$7,800 each)	\$23,400
TOTAL EQUIPMENT	\$41,700
Supplies	

Hot Spots (8) (\$15/device + \$120/yr (x 3) x 8 devices) for air monitors in rural areas	\$3,000
Shepard Hooks (60 in, 2 mm Heavy Duty Steel w/ 5 fork base 2 pack) (4 packs of 2)	\$200
Zip ties to attach monitors to shepherd hooks	\$8
Home Resource Guide Binder (156 binders) (\$63/12 x 13)	\$819
Home Resource Guide Printing (\$.29/page@ 212 pages \$61.50/guide x 156 guides)	\$9,594
Avery 5-Tab Binder Dividers (25 pack) (7 pks x \$67.17/pk)	\$470
AQI Weather Magnet (3"x4 "custom magnets printed by Sticker Mule) 500 qty	\$349
Report Printing (72 pgs x \$.29/pg)	\$21
TOTAL SUPPLIES	\$14,461
Contractual	
EHP AirView App for 3 yrs	\$21,500
CREATE Lab for 3 yrs	\$65,000
2 Paid Intern Science Assistants (\$14/hr x 10/wk x 150 wks x 2 assistants)	\$42,000
TOTAL CONTRACTUAL	\$128,500
Other	
postage for reports (\$1.36/report x 12 reports)	\$16
TOTAL OTHER	\$16
TOTAL FUNDING	\$365,887

B. Reasonableness of Costs

Personnel: Protect PT's Environmental Scientist is the primary project manager of this project. They will place monitors in people's homes, train them to use the equipment, and report emissions to the community. Our Community Outreach Manager will connect the Environmental Scientist with community members to plan and schedule community events and education. The Organizational Supervisor (Director) will manage the execution of the project, resolve issues, purchase supplies, report financials, and quarterly data. **Fringe Benefits:** include pre-established rates for FICA and SUI, 3% match on retirement, \$200/ month Health Benefit. **Travel:** mileage reimbursed to staff per rules outlined in our Employee Handbook. **Equipment:** SUMMA Canister costs and associated lab testing as determined by ALS Environmental, SENSIT SPOD Ion PID Sensor with Anemometer with associated services and mounting kit to deploy SUMMA canisters remotely for best possible air sampling. **Supplies:** Hotspots for monitoring locations that don't have access to wifi. Shepherd hooks to hold monitoring equipment at the proper height, zip ties to attach monitors to the shepherd hooks. Home Resource Guide and report at \$.29/color page. Binders and dividers AQI magnets bought at Sticker Mule can provide the best price for the quality of magnets. **Contractual:** Partner contributions of EHP and AirViz/CREATE Lab for their contracted work on this project, 2 paid intern science assistants to help the Environmental Scientist install monitors, draft reports, and compile educational materials. **Other:** Postage rates for mailing reports as set by the US Postal Service.

C. Expenditure of Awarded Funds

Funds expended are approved and purchased by the Director as outlined in the grant based on specified grant activities and budgeted amounts. It is the responsibility of the Director to properly account for and prepare a monthly financial report and reconciliation of funds expended in accordance with the modified cash basis of accounting. The Director will design, implement, and maintain the internal controls relevant to the preparation and fair presentation of financial statements that are free from material misstatement whether due to fraud or error. The Director refers to the Organizations' Contracted Certified Accountant specializing in nonprofit financial management for yearly financial statement preparation and evaluation. The Treasurer for the Organization reviews and signs the monthly reconciliation statements to ensure compliance with Organizational by-laws and practices. All financial statements, reconciliation reports, and detailed financial statements are available to all stakeholders upon request.

INTERNAL REVENUE SERVICE
P. O. BOX 2508
CINCINNATI, OH 45201

DEPARTMENT OF THE TREASURY

Date:

NOV 19 2015

PROMOTE PT INC
C/O GILLIA GRABER
110 BELLEAUWOOD BLVD
TRAFFORD, PA 15085-1223

Employer Identification Number:
47-3795303
DLN:
17053229330025
Contact Person:
CARA D FRANCAZAK ID# 31452
Contact Telephone Number:
(877) 829-5500
Accounting Period Ending:
December 31
Public Charity Status:
170(b)(1)(A)(vi)
Form 990/990-EZ/990-N Required:
Yes
Effective Date of Exemption:
April 27, 2015
Contribution Deductibility:
Yes
Addendum Applies:
No

Dear Applicant:

We're pleased to tell you we determined you're exempt from federal income tax under Internal Revenue Code (IRC) Section 501(c)(3). Donors can deduct contributions they make to you under IRC Section 170. You're also qualified to receive tax deductible bequests, devises, transfers or gifts under Section 2055, 2106, or 2522. This letter could help resolve questions on your exempt status. Please keep it for your records.

Organizations exempt under IRC Section 501(c)(3) are further classified as either public charities or private foundations. We determined you're a public charity under the IRC Section listed at the top of this letter.

If we indicated at the top of this letter that you're required to file Form 990/990-EZ/990-N, our records show you're required to file an annual information return (Form 990 or Form 990-EZ) or electronic notice (Form 990-N, the e-Postcard). If you don't file a required return or notice for three consecutive years, your exempt status will be automatically revoked.

If we indicated at the top of this letter that an addendum applies, the enclosed addendum is an integral part of this letter.

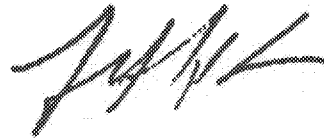
For important information about your responsibilities as a tax-exempt organization, go to www.irs.gov/charities. Enter "4221-PC" in the search bar to view Publication 4221-PC, Compliance Guide for 501(c)(3) Public Charities, which describes your recordkeeping, reporting, and disclosure requirements.

Letter 947

ED_013931A_00000310-00001

PROMOTE PT INC

Sincerely,

A handwritten signature in dark ink, appearing to read 'J. Cooper', with a stylized flourish at the end.

Jeffrey I. Cooper
Director, Exempt Organizations
Rulings and Agreements

Letter 947

Roberts, Timothy-P

From: Raver, Alexandra
Sent: Tuesday, April 26, 2022 1:37 PM
To: Roberts, Timothy-P
Cc: January, Elizabeth; Laursen, Myranda
Subject: RE: UEI Issue

Hi Tim,

Liz was able to confirm the entity has an active SAM.gov registration. Please see the screen shot below. As a side note I was not able to find the record either, and I believe this is because I do not have the appropriate roles to view entity registrations. (See workspace/profile/roles).

We are looking more into the roles issue as we anticipate other program staff may be in the same situation you are.

But for this entity, they do have an active SAM.gov registration.

Alex

Entity Registration
Core Data
Business Information
Entity Types
Financial Information
Taxpayer Information
Points of Contact
Security Information
Assertions
Reps and Certs
Exclusions
Responsibility / Qualification
Entity Reporting

PROTECT PT



This entity record is only

Unique Entity ID
PME9GKQ78GE5

CAGE/NCAGE

Physical Address
**110 Belleauwood BLVD
Trafford, Pennsylvania
15085-1223, United States**

Version

Current Record ▼

BUSINESS INFORMATI

Doing Business As
(blank)

Alexandra Raver
Pronouns: she/her
Grants Competition Advocates Office
Office of Grants and Debarment | U.S. EPA | 202.564.5296 | raver.alexandra@epa.gov

From: January, Elizabeth <January.Elizabeth@epa.gov>
Sent: Monday, April 25, 2022 11:43 AM
To: Laursen, Myranda <laursen.myranda@epa.gov>; Raver, Alexandra <Raver.Alexandra@epa.gov>
Subject: FW: UEI Issue

Can you guys look into Tim's question?

Elizabeth January
Acting Senior Associate Director for Grants Competition
Office of Grants and Debarment
January.elizabeth@epa.gov
202-564-1584
she/her

From: Roberts, Timothy-P <Roberts.Timothy-P@epa.gov>
Sent: Monday, April 25, 2022 11:02 AM
To: January, Elizabeth <January.Elizabeth@epa.gov>; Laursen, Myranda <laursen.myranda@epa.gov>
Cc: Dowdell, Edward (Ned) <Dowdell.Ned@epa.gov>; Thompson, Ashley <Thompson.Ashley.M@epa.gov>
Subject: UEI Issue

Liz – We're generally done with our threshold review for the ARP competition, but we have one UEI issue. Protect PT (application GRANT13579511) does not show up in SAM when we put in their UEI - PME9GKQ78GE5. Also, they have a different name on their 424, Promote PT Inc DBA Protect PT.

How should we handle this one? Can you find it in SAM? Thanks!

Tim Roberts
Acting Team Leader/JRO
Acquisition Policy Team
OAR, Office of Program Management Operations
U.S. Environmental Protection Agency
202-564-6004
roberts.timothy-p@epa.gov

Protect PT is a 501(c)(3) that started as a group of neighbors working together to protect their neighborhood from fracking in late 2014 and has grown to a community-based organization with staff, volunteers, and members. Our organization operates primarily in Westmoreland County and Allegheny County in Pennsylvania with outreach and membership in neighboring counties as well. Protect PT's mission is to ensure residents' safety, security, and quality of life by engaging in education and advocacy to protect the economic, environmental, and legal rights of the people in Westmoreland and Allegheny counties. One of our most important goals is to bring litigation on behalf of our members to ensure they feel they have legal empowerment to hold their local polluters and government decision-makers accountable to constituents' rights and the PA constitution. In 2021 we sent critical advocacy letters to agencies regarding seven types of infrastructure, such as new well-pads, an injection well, and special barges to transport fracking waste. Participating in the public comment process with state agencies has resulted in operators getting letters of deficiency and losing their permit guarantee. Protect PT also holds educational programming to address the invasion of fossil fuel development in the local community. In 2021 over 400 people attended our educational programming which includes our Home Resource Guide Workshops, webinars, mentoring, and strategic planning. Protect PT also engages the community by offering free air, noise, and radon monitoring studies around fossil fuel development and uses this information to educate and empower local residents to be able to advocate for stronger local policies. Included in this Community-Based Organization Set-Aside attachment is our 501(c)(3) letter from the IRS, please note for tax purposes Protect PT is officially known as Promote PT Inc. DBA Protect PT.

INTERNAL REVENUE SERVICE
P. O. BOX 2508
CINCINNATI, OH 45201

DEPARTMENT OF THE TREASURY

Date:

NOV 19 2015

PROMOTE PT INC
C/O GILLIA GRABER
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170(b)(1)(A)(vi)
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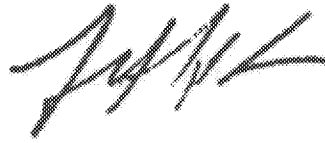
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Letter 947

ED_013931A_00000318-00002

PROMOTE PT INC

Sincerely,

A handwritten signature in dark ink, appearing to read 'J. I. Cooper', with a stylized flourish at the end.

Jeffrey I. Cooper
Director, Exempt Organizations
Rulings and Agreements

Letter 947

COMMONWEALTH OF PENNSYLVANIA
DEPARTMENT OF STATE
BUREAU OF CORPORATIONS AND CHARITABLE ORGANIZATIONS
401 NORTH STREET, ROOM 206
P.O. BOX 8722
HARRISBURG, PA 17105-8722
WWW.CORPORATIONS.STATE.PA.US/CORP

Protect PT

THE BUREAU OF CORPORATIONS AND CHARITABLE ORGANIZATIONS IS HAPPY TO SEND YOU YOUR FILED DOCUMENT. THE BUREAU IS HERE TO SERVE YOU AND WANTS TO THANK YOU FOR DOING BUSINESS IN PENNSYLVANIA.

IF YOU HAVE ANY QUESTIONS PERTAINING TO THE BUREAU, PLEASE VISIT OUR WEB SITE LOCATED AT WWW.CORPORATIONS.STATE.PA.US/CORP OR PLEASE CALL OUR MAIN INFORMATION TELEPHONE NUMBER (717)787-1057. FOR ADDITIONAL INFORMATION REGARDING BUSINESS AND / OR UCC FILINGS, PLEASE VISIT OUR ONLINE "SEARCHABLE DATABASE" LOCATED ON OUR WEB SITE.

ENTITY NUMBER: 4356514

Promote PT, Inc.
110 Belleauwood Blvd
Trafford, PA 15085

PENNSYLVANIA DEPARTMENT OF STATE
BUREAU OF CORPORATIONS AND CHARITABLE ORGANIZATIONS

Application for Registration of Fictitious Name
54 Pa.C.S. § 311

Commonwealth of Pennsylvania
FICTITIOUS NAME 2 Page(s)



Name Promote PT, Inc.		
Address 110 Belleauwood Blvd.		
City Trafford	State PA	Zip Code 15085

Fee: \$70

In compliance with the requirements of 54 Pa.C.S. § 311 (relating to registration), the undersigned entity(ies) desiring to register a fictitious name under 54 Pa.C.S. Ch. 3 (relating to fictitious names), hereby state(s) that:

1. The fictitious name is:
Protect PT

2. A brief statement of the character or nature of the business or other activity to be carried on under or through the fictitious name is:
Protect PT is a citizen's group working to ensure the safety, security, and quality of life from the effects of unconventional gas development.

3. The address, including number and street, if any, of the principal place of business (P.O. Box alone is not acceptable):
110 Belleauwood Blvd Trafford PA 15085 Westmoreland
Number and street City State Zip County

4. The name and address, including number and street, if any, of each individual interested in the business is:

Name	Number and Street	City	State	Zip
Gillian Graber	110 Belleauwood Blvd	Trafford	PA	15085
Tracey Mason	4015 Great Star Court	Jeannette	PA	15644
Siobhan Sullivan	280 Hillcrest Drive	Trafford	PA	15085

PA DEPT. OF STATE

MAY 19 2015

5. Each entity, other than an individual, interested in such business is (are):

Promote PT, Inc corporation/non-profit Pennsylvania

Name Form of Organization Organizing Jurisdiction

110 Belleauwood Blvd. Trafford, PA 15085

Principal Office Address

same as above

PA Registered Office, if any

Name Form of Organization Organizing Jurisdiction

Principal Office Address

PA Registered Office, if any

6. The applicant is familiar with the provisions of 54 Pa.C.S. § 332 (relating to effect of registration) and understands that filing under the Fictitious Names Act does not create any exclusive or other right in the fictitious name

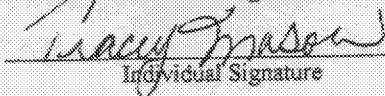
7. Optional: The name(s) of the agent(s), if any, any one of whom is authorized to execute amendments to, withdrawals from or cancellation of this registration in behalf of all then existing parties to the registration, is (are):

IN TESTIMONY WHEREOF, the undersigned have caused this Application for Registration of Fictitious Name to be executed this

14th day of May, 2015



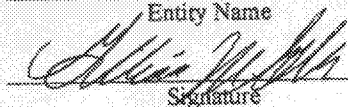
Individual Signature



Individual Signature

Protect PT

Entity Name



Signature

President

Title

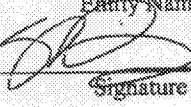


Individual Signature

Individual Signature

Protect PT

Entity Name



Signature

Treasurer

Title